

SOIL 4234 G* Graduate Credit Project

As a graduate student you must learn how to write and interpolate scientific papers. One skill that more often than not is not taught is the ability to transfer research to the masses. The extension of research results is one of the three legs of the Land Grant Triangle (Research, Teaching, and Extension).

Extension is simply the transfer of information from the University to the public. Extension publications must be written in a manner in which someone with minimum education (not higher ed) can understand and apply. For your graduate credit in SOIL 4234 you will pick a Nutrient Management subject matter and write an extension publication. In addition you will be required to review at least two other papers.

Authors may discuss the option of publishing the document in the OCES (Oklahoma Cooperative Extension Service) Fact Sheet and Current Report system with his/her major advisor.

Dr. Arnall will assist in final publication with the aid of the major advisor. Please note quality of the potentially published extension will be highly scrutinized. Completing this assignment does not ensure publication.

Student Obligations

One or two authors per paper

Paper length 2 to 5 pages, 12 font, double space

Includes images and or tables

Each paper will be reviewed by at least two other students and each student must review at least two papers

Due Dates

		Points given for quality not completion
Title	Sept 1	5 pts
Outline	Sept 15	20 pts
Rough Draft	Oct 3	25 pts
<i>Due to Dr. Arnall and 2 reviewers</i>		
Reviews completed	Oct 17	25 pts per review
<i>Due to Dr. Arnall and authors</i>		
2 nd Draft	Nov 4	25 pts
<i>Draft based on student review.</i>		
<i>Due to Dr. Arnall</i>		
Final Draft Due	Nov 28th	25 pts

Potential topics/subject matter

Papers can be based off of trials or data you have personally collected.

Planting after Anhydrous Application

Nutrients in Rainfall

NH₃ Volatilization from Urea Fertilizers

Forms of Fertilizers

Fertilizer Salt Index

Anhydrous Ammonia applications impact on Mico-Biological activity

Alfalfa fertilization

Soil acidity and N fertilization

Soil acidity and No-till

Soil acidity and Bermuda grass production

Sulfur deposition change over time

Acidifying nature of N fertilizers

Lime sources

Gypsum in Ag

Whatever you are interested in